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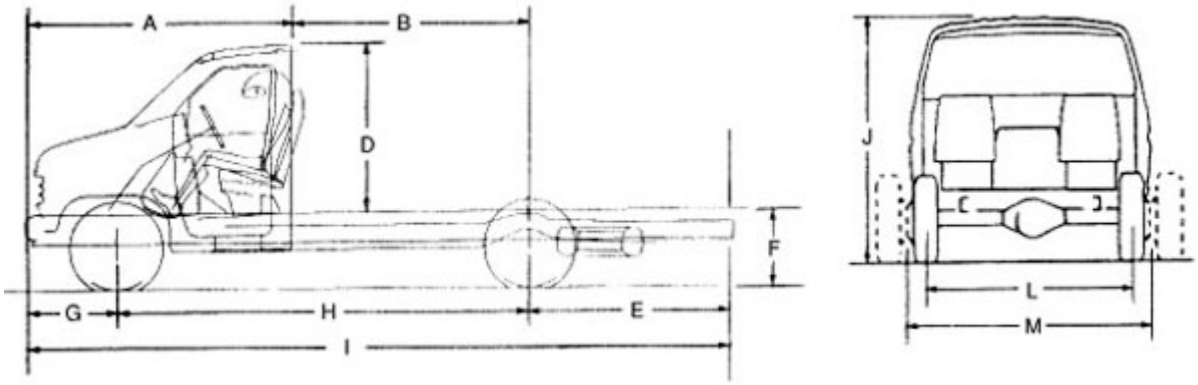
2023 E-Series

Specs

Key product specifications include vehicle dimensions and capacities, detailed powertrain information, transmission gear ratios and more.

2023 E-Series > Specs > Dimensions/Weights/Capacities

Body Dimensions — E-350/E-450 Cutaway



Series		E-350			E-450	
Model		Cutaway			Cutaway	
		SRW/DRW	SRW/DRW	DRW	DRW	DRW
Code	Description					
A	Cab Length	92.5	92.5	92.5	92.5	92.5
B	Cab Rear to Rear Axle	80.0	100.0	118.0	100.0	118.0
D	Top of Frame to Top of Cab	58.4	58.4	58.4	58.4	58.4
E	Rear Overhang	68.5	68.5	68.5	68.5	68.5
F	Load Height (Loaded)	25.9/26.2	25.9/26.2	26.2	26.0	26.0
G	Front Overhang	34.6	34.6	34.6	34.6	34.6
H	Wheelbase	138.0	158.0	176.0	158.0	176.0
I	Overall Length	241.1	261.1	261.1	261.1	261.1
J	Cab Height (Curb)	80.3/80.3	80.3/80.4	80.0	80.5	80.4
L	Front Track	69.4	69.4	69.4	69.4	69.4

M	Rear Track Dual — Rear	72.1/75.4	72.1/75.4	75.4	77.7	77.7

NOTE: Front jacking point — located under the front radius arm rearward of the sloped section (use flat space provided).

NOTE: Rear jacking point — located under rear axle between U-bolts.

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Interior Dimensions — E-350/E-450 Cutaway

Series	E-350			E-450	
Model	Cutaway			Cutaway	
	SRW/DRW	SRW/DRW	DRW	DRW	DRW
Description					
Head Room (in.)	42.0	42.0	42.0	42.0	42.0
Max. Leg Room (in.)	42.1	42.1	42.1	42.1	42.1
Hip Room (in.)	65.6	65.6	65.6	65.6	65.6
Shoulder Room (in.)	68.1	68.1	68.1	68.1	68.1

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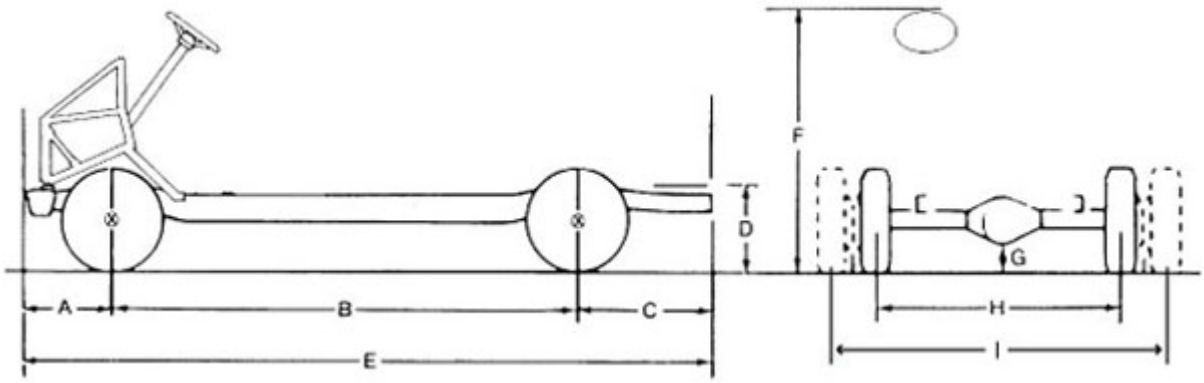
Body Dimensions — E-350/E-450 Stripped Chassis



Model		Stripped Chassis		
Series		E-350	E-350/E-450	E-350/E-450
		DRW	DRW	DRW
Code	Description			
A	Frame to Front Axle	26.2	26.2	26.2
B	Wheelbase	138.0	158.0	176.0
C	Rear Overhang	68.5	68.5	50.5
D	Load Height (Loaded)	26.2	26.2/26.0	26.2/26.0
E	Overall Length	232.7	252.7	252.7
F	Height at Top of Steering Wheel (Loaded)	71.9	71.9/71.7	71.8/71.7
G	Rear Axle Clearance, Loaded	7.0	7.0	7.0

H	Front Track	69.4	69.4	69.4
I	Rear Track	75.4	75.4/77.7	75.4/77.7

NOTE: Front jacking point — located under the front radius arm rearward of the sloped section (use flat space provided).

NOTE: Rear jacking point — located under rear axle between U-bolts.

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General Truck Payload Information

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GVWR/Payload/Spring & GAWR/Base Curb Weight

Model	WB (in.)	Engine/Trans.	Maximum GVWR (lbs.)	Maximum Payload (lbs.)[1]	Spring/GAWR (lbs.)[1]		Base Curb Weight (lbs.)		
					Front Range Min.-Max.	Rear	Front	Rear	Total
E-350 Cutaway	138 SRW	7.3L PFI V8 Premium/6R140	10,050	5,100	4,200	6,084	2,958	1,992	4,950
		7.3L PFI V8 Economy/6R140	10,050	5,100	4,050-4,200	6,084	2,958	1,992	4,950
	138 DRW	7.3L PFI V8 Premium/6R140	11,500	6,270	4,050-4,600	7,800	3,001	2,224	5,225
		7.3L PFI V8 Economy/6R140	11,500	6,270	4,050-4,600	7,800	3,001	2,224	5,225
	158 SRW	7.3L PFI V8 Premium/6R140	10,050	5,030	4,200	6,084	3,039	1,973	5,012
		7.3L PFI V8 Economy/6R140	10,050	5,030	4,200	6,084	3,039	1,973	5,012
E-350 Cutaway	158 DRW	7.3L PFI V8 Premium/6R140	11,500	6,210	4,200-4,600	7,800	3,082	2,205	5,287
		7.3L PFI V8 Economy/6R140	11,500	6,210	4,050-4,600	7,800	3,082	2,205	5,287
		7.3L PFI V8 Premium/6R140	12,500	7,210	4,200-5,000	8,500	3,082	2,205	5,287
		7.3L PFI V8 Economy/6R140	12,500	7,210	4,050-5,000	8,500	3,082	2,205	5,287
	176 DRW	7.3L PFI V8 Premium/6R140	12,500	7,200	4,200-5,000	8,500	3,148	2,149	5,297
		7.3L PFI V8 Economy/6R140	12,500	7,200	4,200-5,000	8,500	3,148	2,149	5,297
E-350 Stripped Chassis	138 DRW	7.3L PFI V8 Premium/6R140	11,500	6,870	4,400-4,600	7,800	2,421	2,204	4,625
		7.3L PFI V8 Economy/6R140	11,500	6,870	4,200-4,600	7,800	2,421	2,204	4,625
	158 DRW	7.3L PFI V8 Premium/6R140	12,500	7,820	4,600-5,000	8,500	2,480	2,198	4,678
		7.3L PFI V8 Economy/6R140	12,500	7,820	4,600-5,000	8,500	2,480	2,198	4,678
	176 DRW	7.3L PFI V8 Premium/6R140	12,500	7,760	4,600-5,000	8,500	2,535	2,197	4,732

		7.3L PFI V8 Economy/6R140	12,500	7,760	4,600-5,000	8,500	2,535	2,197	4,732
E-450 Cutaway	158 DRW	7.3L PFI V8 Premium/6R140	14,200	8,680	4,600	9,600	3,078	2,434	5,512
		7.3L PFI V8 Premium/6R140	14,500	8,980	5,000	9,600	3,078	2,434	5,512
		7.3L PFI V8 Economy/6R140	14,000	8,480	4,400-5,000	9,600	3,078	2,434	5,512
	176 DRW	7.3L PFI V8 Premium/6R140	14,200	8,680	4,600	9,600	3,161	2,358	5,519
		7.3L PFI V8 Premium/6R140	14,500	8,980	5,000	9,600	3,161	2,358	5,519
		7.3L PFI V8 Economy/6R140	14,000	8,480	4,400-5,000	9,600	3,161	2,358	5,519
E-450 Stripped Chassis	158 DRW	7.3L PFI V8 Premium/6R140	14,500	9,690	5,000	9,600	2,531	2,274	4,805
		7.3L PFI V8 Economy/6R140	14,000	9,190	4,600-5,000	9,600	2,531	2,274	4,805
	176 DRW	7.3L PFI V8 Premium/6R140	14,500	9,640	5,000	9,600	2,566	2,292	4,858
		7.3L PFI V8 Economy/6R140	14,000	9,140	4,600-5,000	9,600	2,566	2,292	4,858

(1) Gross Axle Weight Rating is determined by the rated capacity of the minimum component of the axle system (axle, wheels, tires) of a specific vehicle. Front and rear GAWRs will, in all cases, sum to a number equal to or greater than the GVWR for the particular vehicle. Maximum loaded vehicle (including passengers, equipment and payload) cannot exceed the GVWR or GAWR (front or rear).

Option Content Weight

E-350 Cutaway Standard Equipment

REAR WHEELS:	SRW	DRW	SRW	DRW	DRW
WHEELBASE (in.):	138	138	158	158	176

POWERTRAIN:			
Engine	Application	Refer to order guide	
	Type	7.3L PFI V8 premium-rated	
Transmission	Type	6-speed TorqShift auto	
AXLES:			
Front Axle	Type	Twin I-beam IFS	
	Capacity (Rating @ Ground)	5,000 lbs.	
Rear Axle	Type	Full-floating, Dana 10.5"	
	Capacity (Rating @ Ground)	7,800 lbs.	8,500 lbs.
BRAKES:			
Front Disc	Type	Dual piston caliper (2.36" diameter piston)	

	Size (in.)	13.58 diameter rotor		
Rear Disc	Type	Dual piston caliper (1.89" diameter piston)		
	Size (in.)	13.58 diameter rotor		
Power-Assist Unit	Type	Vacuum-boost (SRW)/Hydro-Boost (DRW)		
	Boost Ratio	13.46"	7.5:1 (SRW), 6.76:1 (DRW)	
Anti-Lock System	Type	Dual diaphragm (SRW), Hydro-Boost (DRW)		
Parking Brake	Rear brake drum-in-hat	Foot-operated, push to apply/pull release lever to disengage		
ELECTRICAL:				
Alternator	Rating	210 amperes, 2,835 watts(1)		
Battery	Type	Maintenance-free		
	Rating	78-AH		
Kit		Modified vehicle wiring		
FUEL TANK:	Capacity(2)	40-gallon aft-of-rear-axle		
JACK:	Capacity	2.0-ton (SRW), 4.0-ton (DRW)		
STEERING:	Type	Gear assembly power steering		
	Ratio	17.0:1		
SUSPENSION:				
Frame	Type	Single-channel, 6 crossmembers, 36,000-psi steel (includes 2 lateral spacers, 4 longitudinal spacers and 12 body mounts with 138" and 158" WB. or, 4 lateral spacers, 2 longitudinal spacers and 12 body mounts with 176" WB.)		
	Section Modulus	5.73 cu. in.		
Springs, Front	Type	Coil, computer-selected		
	Rating @ Ground (min.)	3,199 lbs.	3,100 lbs.	3,100 lbs.
Springs, Rear	Type	Multi-leaf, single-stage		
	Rating @ Ground (min.)	7,310 lbs.	8,500 lbs.	
Shock Absorbers	Gas-type	35 mm		
Stabilizer Bar	Front/Rear—Diameter	Front — 25.4 mm (SRW)/23 mm (DRW); rear — 28.6 mm (DRW)		
TIRES:	Type	Four, truck-type steel-belted radial, all-season (six with DRW)		
	Size	LT245/75R16E	LT225/75R16E	
WHEELS:	Type & Size	Four, 8-hole disc, 16" x 7.0" K steel (six, 16" x 6.0" K with DRW)		

(1) Rated current (@ 6,000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature- and application-dependent.

(2) Also includes 7.5-gallon plastic transit fuel tank (may be deleted), Auxiliary Fuel Port and Fuel System Conversion Kit.

E-350 Stripped Chassis Standard Equipment

REAR WHEELS:	DRW	DRW	DRW	DRW	DRW
WHEELBASE (in.):	138	158	176	158	176

POWERTRAIN:

Engine	Application	Refer to order guide			
	Type	7.3L PFI V8 premium-rated			
Transmission	Type	6-speed TorqShift auto			

AXLES:

Front Axle	Type	Twin I-beam IFS			
	Capacity (Rating @ Ground)	5,000 lbs.			
Rear Axle	Type	Full-floating, Dana 10.5"			
	Capacity (Rating @ Ground)	6,340 lbs.	8,500 lbs.	7,800 lbs.	

BRAKES:

Front Disc	Type	Dual piston caliper (2.36" diameter piston)			
	Size (in.)	13.58 diameter rotor			
Rear Disc	Type	Dual piston caliper (1.89" diameter piston)			
	Size (in.)	13.58 diameter rotor			
Power-Assist Unit	Boost Ratio	Hydro-Boost 6.76:1 (DRW)			
	Effective Diameter	13.46"			
Anti-Lock System		4-wheel			
Parking Brake	Rear brake drum-in-hat	Foot-operated, push to apply/pull release lever to disengage			

ELECTRICAL:

Alternator	Rating	210 amperes, 2,835 watts[1]			
Battery	Type	Maintenance-free			
	Rating	78-AH			
Kit		Modified vehicle wiring			
FUEL TANK:	Capacity	40-gallon aft-of-rear-axle			
STEERING:	Type	Gear assembly power steering			
	Ratio	17.0:1			

SUSPENSION:

Frame	Type	Single-channel, 6 crossmembers, 36,000-psi steel			
	Section Modulus	5.73 cu. in.			
Springs, Front	Type	Coil, computer-selected			
	Rating @ Ground (min.)	3,100 lbs.	3,550 lbs.	3,800 lbs.	4,050 lbs.
Springs, Rear	Type	Multi-leaf, single-stage			
	Rating @ Ground (min.)	8,500 lbs. (DRW)			
Shock Absorbers	Gas-type	35 mm			
Stabilizer Bar	Front — Diameter	23 mm (DRW)			
	Rear — Diameter	28.6 mm (DRW)			
TIRES:	Type	Truck-type steel-belted radial, all-season			
	Size	Six, LT225/75R16E[2]			

	Spare tire carrier	None
WHEELS:	Type & Size	Six, 8-hole disc, 16" x 6.0" K steel(2)

(1) Rated current (@ 6,000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature- and application-dependent.

(2) Spare tire and wheel are shipped temporarily mounted to the top of the frame.

E-450 Cutaway Standard Equipment

REAR WHEELS:		**DRW**	**DRW**
WHEELBASE (in.):		**158**	**176**
POWERTRAIN:			
Engine	Application	Refer to order guide	
	Type	7.3L PFI V8 premium-rated	
Transmission	Type	6-speed TorqShift auto	
AXLES:			
Front Axle	Type	Twin I-beam IFS	
	Capacity (Rating @ Ground)	4,600 lbs.	
Rear Axle	Type	Full-floating, Dana 10.75" HD	
	Capacity (Rating @ Ground)	9,600 lbs.	
BRAKES:			
Front Disc	Type	Dual piston caliper (2.36" diameter piston)	
	Size (in.)	13.58 diameter rotor	
Rear Disc	Type	Dual piston caliper (2.12" diameter piston)	
	Size (in.)	13.58 diameter rotor	
Power-Assist Unit	Boost Ratio	Hydro-Boost, 6.76:1	
Anti-Lock System		4-wheel	
Parking Brake	Rear brake drum-in-hat	Foot-operated, push to apply/pull release lever to disengage	
ELECTRICAL:			
Alternator	Rating	210 amperes, 2,835 watts(1)	
Battery	Type	Maintenance-free	
	Rating	78-AH	
Kit		Modified vehicle wiring	
FUEL TANK:	Capacity(2)	55-gallon, aft-of-rear-axle	
STEERING:	Type	Gear assembly power steering	
	Ratio	17.0:1	
SUSPENSION:			
Frame	Type	Single-channel, 6 crossmembers, 36,000-psi steel	
	Section Modulus	6.40 cu. in.	
Springs, Front	Type	Coil	
	Rating @ Ground (min.)	4,600 lbs.	

Springs, Rear	Type	Multi-leaf, single-stage
	Rating @ Ground (min.)	9,600 lbs.
Shock Absorbers	Gas-type	35 mm
Stabilizer Bar	Front — Diameter	23 mm
	Rear — Diameter (DRW only)	28.6 mm
TIRES:	Type	Six truck-type steel-belted radial, all-season
	Size	LT225/75R16E
WHEELS:	Type & Size	Six, 8-hole disc, 16" x 6.0" K steel

(1) Rated current (@ 6,000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature- and application-dependent.

(2) Also includes 7.5-gallon plastic transit fuel tank (may be deleted), Auxiliary Fuel Port and Fuel System Conversion Kit.

E-450 Stripped Chassis Standard Equipment

REAR WHEELS:		**DRW**	**DRW**
WHEELBASE (in.):		**158**	**176**
POWERTRAIN:			
Engine	Application	Refer to order guide	
	Type	7.3L PFI V8 premium-rated	
Transmission	Type	6-speed TorqShift auto	
AXLES:			
Front Axle	Type	Twin I-beam IFS	
	Capacity (Rating @ Ground)	5,000 lbs.	
Rear Axle	Type	Full-floating, Dana 10.75" HD	
	Capacity (Rating @ Ground)	9,600 lbs.	
BRAKES:			
Front Disc	Type	Dual piston caliper (2.36" diameter piston)	
	Size (in.)	13.58 diameter rotor	
Rear Disc	Type	Dual piston caliper (2.12" diameter piston)	
	Size (in.)	13.58 diameter rotor	
Power-Assist Unit	Type	Hydro-Boost	
	Boost Ratio	6.76:1	
Anti-Lock System		4-wheel	
Parking Brake	Rear brake drum-in-hat	Foot-operated, push to apply/pull release lever to disengage	
ELECTRICAL:			
Alternator	Rating	210 amperes, 2,835 watts(1)	
Battery	Type	Maintenance-free	
	Rating	78-AH	
Kit		Modified vehicle wiring	
FUEL TANK:	Capacity	55-gallon	

STEERING:	Type	Gear assembly power steering	
	Ratio	17.0:1	
SUSPENSION:			
Frame	Type	Single-channel, 6 crossmembers, 36,000-psi steel	
	Section Modulus	5.730 cu. in.	
Springs, Front	Type	Coil, computer-selected	
	Rating @ Ground (min.)	5,000 lbs.	
Springs, Rear	Type	Multi-leaf, single-stage	
	Rating @ Ground (min.)	9,600 lbs.	
Shock Absorbers	Gas-type	35 mm	
Stabilizer Bar	Front — Diameter	Front — 23 mm	Rear — 28.6 mm
TIRES:	Type	Truck-type steel-belted radial, all-season	
	Size	Six, LT225/75R16E	
	Spare tire carrier	None	
WHEELS:	Type & Size	Six, 8-hole disc, 16" x 6.0" K steel(2)	

(1) Rated current (@ 6,000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature- and application- dependent.

(2) Spare tire and wheel are shipped temporarily mounted to the top of the frame.

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Auxiliary Automatic Transmission Oil Cooler Applications

Model/Series	Engine	Transmission	Standard No. of Plates	Air Conditioning No. of Plates	Trailer Towing No. of Plates
E-350/E-450	7.3L PFI V8 Economy-rated; 7.3L PFI V8 Premium-rated	TorqShift	20 — 1/2" Ports	20 — 1/2" Ports	24 — 1/2" Ports

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Cooling System Specifications

Engine	Cooling	Trans. Usage	Frontal Area (sq. in.)	Core Size (in.)			Rows of Tubes	Fins per Inch	Cooling System Capacity (approx. quarts)	Fan Specifications		
				Height	Width	Thick.				Type	No. of Blades	Blade Dia. (in.)
7.3L PFI V8 Premium-rated	All	Auto	708	23.6	30.0	1.4	1	16.5	30.4	Plastic	8	20.0
7.3L PFI V8 Economy-rated	All	Auto	708	23.6	30.0	1.4	1	16.5	21.0	Plastic	8	20.0

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Engine

Driveline Layout	Front Engine, Rear Wheel (RWD)	
Engine Type	**7.3L PFI V8 Premium-Rated**	**7.3L PFI V8 Economy-Rated**
Displacement (liters/cu. in.)	7.3/445	7.3/445
Horsepower @ rpm	325 @ 3,750	300 @ 3,750
Torque (lb.-ft.) @ rpm	450 @ 3,750	425 @ 3,250
Compression Ratio	10.5:1	10.5:1
Valvetrain	SOHC	SOHC
Valve Operation	Push rod	Push rod
Bore & Stroke (in.)	4.21 x 3.98	4.21 x 3.98
Main Bearings	5	5
Induction	Naturally aspirated	Naturally aspirated
Fuel System	Sequential Multiport	Sequential Multiport
Fuel Requirement (octane)	87 (min.)	87 (min.)/E85

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Fuel System Data

Electronic Fuel Injection	7.3L PFI V8 Premium-rated	Sequential Multiport Fuel Injection
	7.3L PFI V8 Economy-rated	Sequential Multiport Fuel Injection
Fuel Pump	7.3L PFI V8 Premium-rated	Electric-in-Tank High Pressure
	7.3L PFI V8 Economy-rated	Single Electric-in-Tank High Pressure (one per tank)
Fuel Filter	7.3L PFI V8 Premium-rated	In-line Large Capacity (One)
	7.3L PFI V8 Economy-rated	In-line Large Capacity (One)
Air Cleaner	7.3L PFI V8 Premium-rated	Dry Element, Replaceable
	7.3L PFI V8 Economy-rated	Dry Element, Replaceable

2023 E-Series > Specs > Powertrain

Transmission Specifications

Make/Type	Ford 6-Speed TorqShift Automatic
Engine	7.3L PFI V8 (Premium- and Economy-rated)
Ratios (to 1)	
1st	3.97
2nd	2.31
3rd	1.51
4th	1.14
5th — OD	0.85
6th — OD	0.67
Reverse	3.12

Converter Size & Type	305 mm, 3 Plate, 2 Stage
Converter Torque Ratio @ WOT Stall	1.9
Lubricant Capacity (pt.)	17.4
Gearset	Double Ravigneaux
Oil Cooler	Oil to Air and In-Tank

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Front Axle Specifications

Model/Series		E-350/E-450
Max. Rating @ Ground (lbs.)		5,000
Type		Twin-I-beam spindle with ball joints
Axle	Material	Nodular cast iron
	Spring Centers (in.)	47.0
Radius Arms	No.	2
	Material	High-strength low-alloy steel
Ball Joint		Lubed-for-life ball joints
Spindle	Material	Nodular cast iron body with forged steel stem
Wheel Bearings	Type	Tapered roller

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Rear Axle Specifications

Model/Series		E-350	E-450
Make		Dana 10.5"	Dana 10.75" HD
Rating @ Ground (lbs.)		7,800/8,500	9,600
Type		Full-floating	Full-floating
Driveline Attachment, Circular Flange		4.25"	4.75"
Housing	Type	Cast center	Cast center
	Cover Attachment	Bolted	Bolted
Section	Tube Diameter (in.)	3.50	4.00
	Thickness (in.)	0.39/0.56	0.625
Lubricant Capacity (pt.)		6.6	9.6
Spring Centers (in.)		48.92	48.92
Wheel Bearings	Type	Tapered roller, 2 opposed	
Gears	Type	Hypoid	Hypoid
	Material	Alloy steel	Alloy steel
Ring Gear	Pitch Diameter (in.)	10.50	10.75
	Mounting	Overhung	Overhung

Differential	Type	2-pinion(1)	2-pinion(1)
	L/S Type	Traction-Lok	Traction-Lok
Axle Shaft	Spline — Minor Dia. (in.)	1.268	1.268
	Spline — Major Dia. (in.)	1.375	1.375
	Number of Splines	32	35

(1) 4-pinion for limited-slip.

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Brake Equipment Specifications — Front/Rear

Type	Model/Series	Rotor Dia. (in.)		Brake Lining Segment	Area (sq. in.)/ Width (in.)/ Thickness (in.)	Caliper Piston Dia. (in.)	Gross Lining Area per Axle (sq. in.)	Total Swept Area per Axle (sq. in.)
		OD	ID					
Disc	All (Front)	13.58	8.70	Outboard	7.16/2.34/0.489	2.36	47.8	341.6
				Inboard	—			
	E-450 (Rear)	13.58	9.88	Outboard	5.96/1.74/0.51	2.12	43.65	272.70
				Inboard	—			
	E-350 (Rear)	13.58	9.88	Outboard	6.65/2.33/0.346	1.89	39.50	272.70
				Inboard	5.31/2.03/0.413			

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Brake Master Cylinder Specifications

Type	Model/Series	Bore Diameter (in.)
Dual System, Dash-mounted	E-350 SRW	1.31
	E-350/E-450 DRW	1.38

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Power Brakes Hydraulic Booster Specifications

Type	Model/Series	Ratio
Hydro-Boost	E-350 (DRW)/E-450	6.76:1

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Power Brakes Vacuum Booster Specifications

Type	Model/Series	Ratio	Diaphragm Type
Bendix,® Dash-mounted	E-350 (SRW)	7.5:1	Dual

2023 E-Series > **Specs** > Chassis

Frame Specifications

Model/Series	Wheelbase (in.)	Maximum Side Rail Section (in.)	Section Modulus (cu. in.)	Yield Strength (psi)
E-350/E-450 Cutaway/Stripped Chassis	138, 158, 176	7.69 x 3.18 x 0.228	5.73	36,000
E-450 Cutaway	158, 176	7.69 x 3.18 x 0.248	6.40	36,000

2023 E-Series > **Specs** > Chassis

Shock Absorber Specifications

		Front & Rear		
Model/Series	Usage	Number	Piston Diameter (mm)	Type
E-350/E-450	Standard	4	35 mm	Gas-pressurized

2023 E-Series > **Specs** > Chassis

Spring Specifications — Front Coil

Model/Series	GVWR (lbs.)	Combined Rating @ Ground (lbs.)	Normal Working Height of Spring (in.)	Wire Diameter (in.)	Deflection Rate @ Ground (lbs. per in. each)	Inside Diameter (in.)	Rating Each @ Pad (lbs. per spring)
E-350 Cutaway	10,050 (SRW), 11,500, 12,500	3,800	12.0	0.72	328	4.0	2,165
		3,900	12.0	0.73	341	4.0	2,224
		4,050	12.0	0.74	354	4.0	2,318
		4,200	12.0	0.74	354	4.0	2,414
		4,400	12.0	0.76	366	4.0	2,542
		4,600	12.0	0.78	366	4.0	2,670
		5,000	12.0	0.79	418	4.0	2,900
E-350 Stripped Chassis	11,500, 12,500	3,800	12.0	0.72	328	4.0	2,165
		3,900	12.0	0.73	341	4.0	2,229
		4,050	12.0	0.74	354	4.0	2,318
		4,200	12.0	0.74	354	4.0	2,414
		4,400	12.0	0.76	366	4.0	2,542
		4,600	12.0	0.78	366	4.0	2,670
		5,000	12.0	0.79	418	4.0	2,900
E-450 Cutaway/ Stripped Chassis	14,200	4,600	12.0	0.78	366	4.0	2,670
	14,500	5,000	12.0	0.79	418	4.0	2,900

2023 E-Series > **Specs** > Chassis

Spring Specifications — Rear Main Leaf

Model/Series	Combined Rating @ Ground (lbs.)	Number of Leaves	Total Thickness @ Pad (in.)	Length (in.)	Width (in.)	Deflection Rear (lbs. per in. per spring)(1)	Rating Each @ Pad (lbs. per spring)
E-350 Extended Cutaway	6,195	4	1.99	55.0	3.00	373.0/699.0	2,772
E-350 Cutaway/ Stripped Chassis SRW	7,310	9	3.59	55.0	3.00	924.7	3,296
E-350 Cutaway/ Stripped Chassis DRW	8,500	9	3.79	58.5	3.00	1,087	3,790
E-450 Cutaway/ Stripped Chassis	9,600	11	4.66	58.5	3.00	1,138	4,288

(1) Dual numbers indicate two-stage spring.

2023 E-Series > **Specs** > Chassis

Steering Specifications

Model/Series	Wheelbase (in.)	Power Steering(1)		Turning Diameter (ft.)(2)	
		Gear Ratio	Overall Ratio	Curb-to-Curb	Wall-to-Wall
E-350 SRW	138	17:1	21.2:1	48.6	50.0/50.0(3)
E-350 DRW	138	17:1	21.2:1	48.6	50.0/50.1(3)
E-350 SRW	158	17:1	21.2:1	54.9	56.2(3)
E-350 DRW/ E-450	158	17:1	21.2:1	54.8	56.2(3)
	176	17:1	21.2:1	60.3	61.8(3)

(1) 15 1/2" diameter steering wheel. Cutaway and Stripped Chassis models include HD steering gear.

(2) Average of left and right turns with standard tires.

(3) Cutaway only.

2023 E-Series > **Specs** > Chassis

Tire Specifications

Type/Size	SRW/ DRW	Rim Width (in.)	Section Width (in.)	Ply Rating	Load Rating	Maximum Inflation Pressure (psi)	Load Limits @ Maximum Inflation Pressure (lbs.)	Static Loaded Radius (in.)	Revolutions per Mile @ 45 mph
LT225/75Rx16	DRW	6.0	9.60	10	E	80	2,680/2,470(1)	14.60	709
LT245/75Rx16	SRW	7.0	10.20	10	E	80	3,042	14.10	677

(1) Tire rating when in the front single position/rating when in the dual position.

2023 E-Series > **Specs** > Chassis

Wheel Specifications

Wheel Type	Wheel Size	Nominal Offset (mm)	No. of Studs	Bolt Circle (in.)	Max. Wheel Capacity Load (lbs. @ ground)
Steel	16" x 7.0" K	0.25	8	6.5	2,300 Front 3,045 Rear
	16" x 6.0" K (Dual)	5.15	8	6.5	2,500 Front 2,500 Rear
Aluminum	16" x 7.0" J	0.25	8	6.5	3,045

2023 E-Series > **Specs** > Special Applications

Trailer Towing Information

For additional towing information, refer to the RV & Trailer Towing Guide, available as a printable PDF on **eSourceBook**, or the vehicle Owner's Manual.

2023 E-Series > **Specs** > Special Applications

Snow Plow Applications

Not recommended for Snow Plow Applications.

2023 E-Series > **Specs** > Electrical

Alternator Specifications

Output (ampere)[1]	210	240	240/157
Output (watts)	2,835	3,240	5,360

(1) Actual output is temperature- and application-dependent.

2023 E-Series > **Specs** > Electrical > Alternator Performance Curves

210-Ampere Alternator

Engine	Pulley Ratio	Model Application
7.3L PFI V8 (Premium- and Economy-rated)	3.03:1	E-Series Cutaway and Stripped Chassis

2023 E-Series > **Specs** > Electrical > Alternator Performance Curves

240-Ampere Alternator

Engine	Pulley Ratio	Model Application
7.3L PFI V8 (Premium- and Economy-rated)	3.03:1	E-Series Cutaway and Stripped Chassis (optional)

2023 E-Series > **Specs** > Electrical > Alternator Performance Curves

240-/157-Ampere Alternator

Engine	Pulley Ratio	Model Application
7.3L PFI V8 (Premium- and Economy-rated)	3.03:1/2.80:1	E-Series Cutaway and Stripped Chassis (optional)

2023 E-Series > **Specs** > Electrical

Battery Applications

Ampere-Hour Rating	78	Dual 78
Cold-Cranking Amps at 0°F	750	1,500
E-Series		
7.3L PFI V8 Premium-rated	Std.	Opt.
7.3L PFI V8 Economy-rated	Std.	Opt.

2023 E-Series > **Specs** > Electrical

Cold Weather Recommendations

Minimum Temperature	Equipment	
	Dual 78 amp-hr Batteries (opt.)	Engine Block Heater
0° F	Suggested	Not Needed
-10° F	Recommended	Suggested
-20° F	Recommended	Recommended

Below -20° F	Strongly Recommended	Strongly Recommended

DEFINITIONS

Suggested: Helpful, but not needed.

Recommended: Could improve reliability in less-than-ideal conditions.

Strongly Recommended: Will give definite improvement over the standard components.

Dual Batteries: Higher-capacity batteries available. (Usage varies by model.)

Engine Block Heater: Available equipment for all engines. (Usage and heater capacity vary with engine requirements.)

2023 E-Series > **Specs** > Electrical

Standard Lighting/Reflector Equipment

Light Reflector	Application
Headlamps (Halogen)	All Series — Two replaceable bulbs with all models
Parking Lamps	All Series — Integral with turn signals
Front/Rear Turn Signals	All Series
Front Side Marker Lamps	All Series
Front Side Reflectors	All Series
Rear Side Reflectors	All Series
Rear Side Marker Lamps	All Series — Integral with taillamps
License Plate Lamps	All Series
Two Combination Taillamps with Integral Stop, Turn Signal and Backup Lamps and Reflective Surface	All Series
Rear Reflectors	All Series
Front Daytime Running Lamps	All Vehicles Registered in Canada

2023 E-Series > **Specs** > Electrical

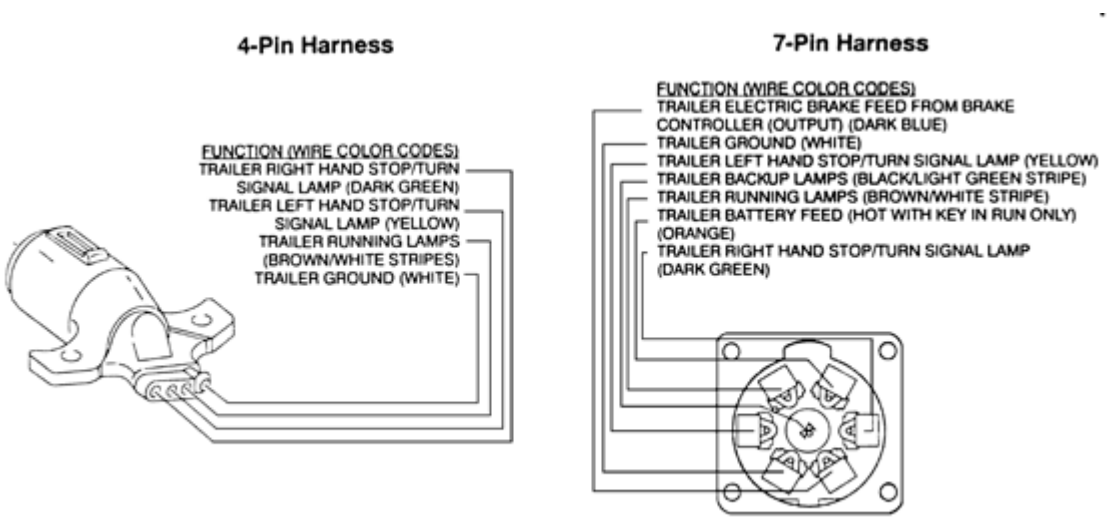
Light Specifications and Usage

Lamp	Code	Description	Usage
Daytime Running Lamps — Configurable	STD	(2) Replaceable Bulbs, Halogen	All Vehicles Registered in Canada
Headlamps	STD	(2) Replaceable Bulbs, Halogen	All Vehicles Registered in U.S. and Canada

2023 E-Series > **Specs** > Electrical

Trailer Towing Wiring Harness

Circuit Number	Circuit Description	Color Code
RAT08	Ground	White
CAT17	Parking Lamps	Brown
CAT14	Trailer Battery Feed	Orange
CAT19	To Electric Brakes	Dark Blue
CAT09	RH Turn Signal and Stop Lamps	Dark Green
CAT06	LH Turn Signal and Stop Lamps	Yellow
CAT03/CAT16	Trailer Backup Lamps	Gray with Brown Stripe
CBP30	Front Brake Controller Running Lamp Feed/Park Lamp Feed	Yellow with Blue Stripe
CBP40	Rear Brake Controller Running Lamp Feed/Park Lamp Feed	Yellow with Green Stripe
CLS30	Brake Controller Running Lamp Feed/Park Lamp Feed	Violet with White Stripe
CCB08	Vehicle Stop Lamps	Violet with White Stripe
SBB18/SBB17	B+ to Electric Brake Controller	Yellow with Red Stripe


4-Pin Harness
FUNCTION (WIRE COLOR CODES)
TRAILER RIGHT HAND STOP/TURN SIGNAL LAMP (DARK GREEN)
TRAILER LEFT HAND STOP/TURN SIGNAL LAMP (YELLOW)
TRAILER RUNNING LAMPS (BROWN/WHITE STRIPES)
TRAILER GROUND (WHITE)
7-Pin Harness
FUNCTION (WIRE COLOR CODES)
TRAILER ELECTRIC BRAKE FEED FROM BRAKE CONTROLLER (OUTPUT) (DARK BLUE)
TRAILER GROUND (WHITE)
TRAILER LEFT HAND STOP/TURN SIGNAL LAMP (YELLOW)
TRAILER BACKUP LAMPS (BLACK/LIGHT GREEN STRIPE)
TRAILER RUNNING LAMPS (BROWN/WHITE STRIPE)
TRAILER BATTERY FEED (HOT WITH KEY IN RUN ONLY) (ORANGE)
TRAILER RIGHT HAND STOP/TURN SIGNAL LAMP (DARK GREEN)

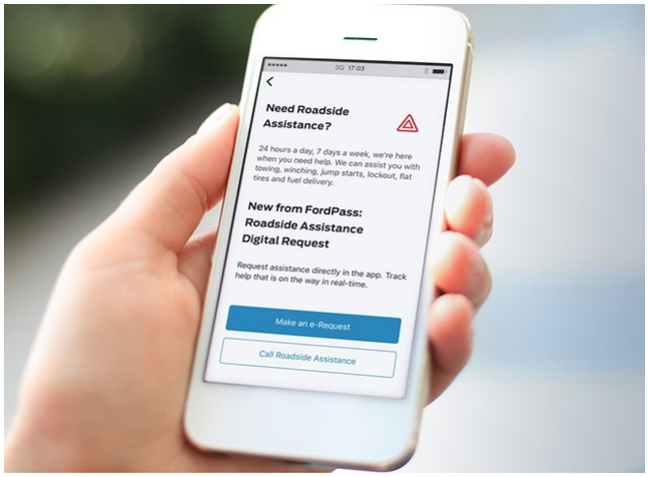
2023 E-Series > Specs

Warranties

24-HOUR ROADSIDE ASSISTANCE[1]

- Owners can call the toll-free number (1-800-241-3673) 24 hours a day
- Customers can also use their FordPass[2] App:
  - Tap the red Hazard icon at the top of the screen
  - Tap the Make an e-Request button
  - Follow the prompts, which allow owners to identify the type of service they need
  - Owners can follow real-time progress of their request on the FordPass map
- Services available include flat tire change, towing to the nearest Ford dealership, fuel delivery, jump start and lockout assistance
- The FordPass App also offers a link to Accident Assistance under Vehicle Details/Vehicle Support
  - Accident Assistance includes information on what to do in an accident and about collision repairs

- It also provides a collision shop locator that identifies the nearest Ford Certified Collision Center


Need Roadside Assistance?
24 hours a day, 7 days a week, we're here when you need help. We can assist you with towing, winching, jump starts, lockout, flat tires and fuel delivery.
New from FordPass: Roadside Assistance Digital Request
Request assistance directly in the app. Track help that is on the way in real-time.
Make an e-Request
Call Roadside Assistance

POWERTRAIN LIMITED WARRANTY

- Powertrain Limited Warranty for Ford vehicles is 5 years or 100,000 miles, whichever comes first
- That's an additional 2 years/64,000 miles (whichever comes first) of coverage for components such as the engine, transmission and rear-wheel-drive parts (refer to the vehicle Owner's Manual for a more comprehensive list of all the parts covered) beyond the vehicle's 3-year/36,000-mile (whichever comes first) bumper-to-bumper limited warranty

NEW VEHICLE LIMITED WARRANTIES

- 3-year/36,000-mile (whichever comes first) bumper-to-bumper; no deductible
- 5-year/unlimited-mileage (whichever comes first) Corrosion Perforation (aluminum panels don't require perforation)
- 5-year/60,000-mile (whichever comes first) Safety Restraint Warranty

(1) Roadside Assistance is included for certain owners and available to everyone for a per-service fee. Ford reserves the right to change program details without obligations. Ford Roadside Assistance is a complimentary offering to all Ford owners for up to 5 years or 60,000 miles (from the date of sale), whichever occurs first. Ford reserves the right to change program details without obligations.

(2) FordPass, compatible with select smartphone platforms, is available via a download. Message and data rates may apply.

NOTE: See dealer for limited warranty details.

NOTE: See **www.motorcraftservice.com** for a link to a printable PDF of the Warranty Guide.